

Computer Based Aviation Survivability Equipment Training (CBAT) 2.0

What is it?

The Computer Based Aircraft Survivability Equipment (ASE) Training (CBAT) program provides users with detailed switchology-based courseware on the usage of ASE systems in various aircraft. CBAT2.0 replaces CBAT 1.5 and is an annual requirement for ASE continuity training at the unit level for pilots and nonrated crewmembers. CBAT 2.0 meets institutionalized training needs as an interactive courseware for U.S. Army ASE, covering 16 aircraft platforms and 13 missile warning and defensive countermeasures systems. CBAT 2.0 satisfies all the current requirements for Army Regulation 95-1, Training Circular 1-210, and applicable Aircrew Training Manuals. Initial fielding of CBAT 2.0 will occur in the near future. To standardize Army-wide implementation, all units will transition to CBAT 2.0 by 28 February 2010.

What has Army Aviation done?

Several standard features of CBAT include interactive scenario-based simulations, high-fidelity 3-D models, and descriptive in-depth animations. CBAT also provides feedback to the user through embedded “check on learning” questions with remediation. Additionally, a virtual 360 degree “walk-around” of the aircraft allows the user to see the location of each of the installed ASE suite components. New features of CBAT 2.0 include the AN/AVR-2B, the addition of the UH-60M platform, and other significant ASE hardware and software updates such as the fifth sensor for the Common Missile Warning System (CMWS). Also included in CBAT 2.0 is an innovative systems integration lesson that correlates ASE integration by simultaneously providing the visual and audio cues for all affected systems. CBAT 2.0 allows the installation and tracking of multiple aircraft platforms on a single computer, will track multiple user results, and permits the administrator to export data to the Army Digital Training Management System (DTMS). CBAT 2.0 is compatible with Windows 2000, XP, and Vista.

Another significant update included in CBAT 2.0 is a more robust and user-friendly Computer Instruction (CMI) shell for data management. The CMI installs alongside the courseware through a single installation file instead of requiring a separate CMI CD. Additional management capabilities comprised of detailed record sorting, user profile editing capability, user record import/export functionality, and the ability to view, print or save test results -all available to users and administrators. Administrators are also able to contact CBAT technical support. Technical support can enable an administrator to reset the database password without requiring complete reinstallation of CBAT and loss of data, as was the case with the previous version.

After a user has completed all courseware for his/her established primary aircraft, he/she will be able to take a comprehension test that verifies knowledge of the courseware. Successful completion of the test is required to validate and track annual CBAT requirements. The comprehension test is a multiple choice test that will vary between 20 and 35 questions depending on the complexity of the ASE suite in the primary aircraft. The user has three opportunities to pass a comprehension test. If unable to achieve a passing score within these three attempts, the administrator must reset the test attempt counter or require the user to re-take all of the training before attempting the test again. Administrators can also adjust the minimum passing score on tests to be higher than 70 percent in accordance with unit standard operating

procedures. CBAT 2.0 also includes an update mechanism allowing it to remain relevant despite constantly changing systems. Administrators can upgrade their CBAT by installing downloadable modular patches (addresses follow at the end of the article). These updates will contain all necessary files for new releases that may encompass new platforms, new ASE systems, or changes to an existing ASE system.

What continued efforts does Army Aviation have Planned for the future?

The update notifications process will be similar to the message notification process for ASE reprogramming changes to Mission Data Sets (MDS) or CMWS software. Updates will include all previously released updates (the second update will include the first update).

The ARAT-OC team will be responsible for hosting dedicated NIPR and SIPR CBAT support websites and for providing informational and technical assistance for CBAT 2.0 to the user during normal business hours (M-F, 0800-1700 EST). ARAT-OC is expecting support to the field to be no more than a three-day turn around. Users can provide suggested improvements, issues, comments, questions, and concerns for CBAT 2.0 by completing a feedback form available on the CBAT websites. CBAT 2.0 administrators may request CBAT 2.0 from the website by completing and submitting an order form. Additionally, all CBAT 2.0 documentation will be available for download from the website.

All associated documentation for CBAT 2.0 will be included in the initial fielding on the Administrator or Courseware CD. As newer versions and updates to the documents become available, they will be updated on the CBAT websites at

SIPR: www.arat.army.smil.mil/cbat; www.usaace.army.smil.mil;

NIPR: www.arat.army.mil/cbat; <https://us.army.mil/suite/page/531484>.

Documentation includes the following: a Certificate of Networkiness (CoN) outlining the approval to load the program to computers on a DOIM network, a presentation describing an overview and capabilities of the CBAT 2.0 program, the Implementation Guidance and Fielding Distribution memorandums, the Student and Administrator Guides, and the Instructor Training Packages, which are screenshots of the courseware in PDF format. For information, questions, comments or concerns regarding the CBAT 2.0 program send a clear and concise email (with "CBAT" in the subject line) to ruck.tacops@conus.army.mil or arat@sed.monmouth.army.mil. ARAT-OC support can also be reached at 732-532-9395/9392, DSN (312) 992-9395/9392.

Why is this important to the Army and Army Aviation?

CBAT 2.0 is a flexible and adaptable program recognizing and expecting continual ASE configuration changes in all aircraft platforms. The CBAT 2.0 program is capable of rapidly developing and providing institutionalized training for these ASE changes as they become standard throughout Army Aviation.

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